

WHAT IS CLAIMED IS:

1 1. A method of allocating freight haulage jobs, comprising:
2 receiving capacity attributes, including position information, route information
3 and excess capacity information, for each of a set of mobile carrier entities;
4 computing a projection of available carrier capacity based upon the received
5 mobile carrier capacity attributes; and
6 identifying one or more freight haulage job candidates from the set of mobile
7 carrier entities based upon the computed projection of available carrier capacity and
8 shipping attributes for each of a set of freight haulage jobs.

1 2. The method of claim 1, wherein computing the projection of available
2 carrier capacity comprises estimating future positions of one or more of the mobile
3 carrier entities.

1 3. The method of claim 2, wherein future positions of one or more of the
2 mobile carrier entities are estimated at one or more times within pickup time
3 windows specified for each of the freight haulage jobs.

1 4. The method of claim 2, wherein future positions of one or more of the
2 mobile carrier entities are estimated based at least in part upon current transport
3 condition information.

1 5. The method of claim 2, wherein the freight haulage job candidates are
2 identified based at least in part upon the proximity of the estimated mobile carrier
3 entity positions to pickup locations specified for each of the freight haulage jobs.

1 6. The method of claim 1, wherein the received excess capacity
2 information includes amount of available capacity and mode of transport.

1 7. The method of claim 6, wherein the freight haulage job candidates are
2 identified based at least in part upon a comparison of the received excess capacity
3 information and an amount of needed capacity and mode of transport specified for
4 each of the freight haulage jobs.

1 14. The computer program of claim 10, wherein the received excess
2 capacity information includes amount of available capacity and mode of transport.

1 15. The computer program of claim 14, wherein the freight haulage job
2 candidates are identified based at least in part upon a comparison of the received
3 excess capacity information and an amount of needed capacity and mode of
4 transport specified for each of the freight haulage jobs.

1 16. The computer program of claim 10, further comprising computing an
2 amount of capacity available on a given mobile carrier entity based upon excess
3 capacity information received from the given mobile carrier entity.

1 17. The computer program of claim 16, wherein excess capacity
2 information includes maximum volume information and maximum weight haulable
3 by the given mobile carrier entity and volume information and weight for each item
4 of freight being hauled by the given mobile carrier entity.

1 18. A portable device, comprising:
2 a memory;
3 a wireless transceiver;
4 a positioner operable to compute position information;
5 a scanner operable to direct a light beam at a symbol and to recover
6 information embedded in the symbol based upon detected reflections from the
7 symbol; and
8 a controller coupled to the memory, the wireless transceiver, the positioner,
9 and the scanner and operable to obtain from the scanner capacity attributes,
10 including position information, route information and excess capacity information,
11 for a mobile carrier entity and to control wireless transmission of the capacity
12 attributes through the wireless transceiver in accordance with a mobile wireless
13 communication protocol.

1 19. The portable device of claim 18, wherein the positioner comprises a
2 GPS receiver.

1 20. The portable device of claim 18, wherein the controller is operable to
2 compute excess capacity information from scanned information relating to maximum
3 volume information and maximum weight haulable by a given mobile carrier entity
4 and volume information and weight for each item of freight being hauled by the
5 given mobile carrier entity.